

## WHAT IS CLAIMED IS:

1. A memory card connector comprising:
  - an insulation base seat with a bottom, two parallel sidewalls extending upwards from the bottom, a rear sidewall connecting the corresponding end of the two sidewalls, an open front end opposite to the rear sidewall, on the rear side of the bottom of the insulation base seat there being a plurality of parallel convex guide blocks, and on one sidewall of the base seat there being a guide rail and a locating part;
  - 10 a shielding shell covering on the insulation base seat;
  - a plurality of conductive terminals , one end of each of them connected to the convex guide block, the other end protruding out from the rear side of the insulation base seat;
  - a detecting means connected to the rear end of the connector for  
15 detecting the clamping situation of the memory card;
  - a writing-protection detecting means connected to one side of the connector for detecting whether the memory card being writing-protection or not; and
  - a card advancing/withdrawing mechanism installed on the same sidewall  
20 of the insulation base seat as guide rail on, said advancing/withdrawing mechanism including a connecting rod and a connecting arm, said connecting arm being L-shaped, formed as integral and having a longitudinal part and a transverse part, the bottom of the transverse part having a plurality of guide grooves for  
25 covering the convex guide blocks, a guide groove with closed loop

being formed on the upper end of the longitudinal part of the connecting arm, the bottom of the longitudinal part having a long groove for linking guide rail and letting the connecting arm be able to move on the guide rail, an elastic plate extending out from one side of the longitudinal part of the connecting arm for clamping the memory card and letting the memory card be able to advancing / withdrawing, said connecting rod being installed above the longitudinal part of the connecting arm, a first locating block and a second locating block respectively being installed on the two ends of the connecting rod, said first locating block being located at the locating part, said second locating block being installed in the guide groove which is limited by the second locating block in such a manner that the connecting arm being able to move together with the memory card and along a single cyclical direction in the advancing/withdrawing process of the memory card.

2. A memory card connector as claimed in claim 1, wherein the guide groove with a closed loop is heart-shaped and its bottom has several convex blocks, one end of said convex block being an inclined plane and the other end of said convex block being provided with a stop part for guiding and limiting the moving direction of the locating block.

3. A memory card connector as claimed in claim 1, wherein a receiving groove is formed on said convex guide block for the conductive terminals being inserted in from the rear side of the insulation base seat, and if there is any conductive terminal not soldered in assembling process, it is able to be soldered again directly from the

rear side.

4. A memory card connector as claimed in claim 1, wherein said locating part is a concave groove with downward step shape.

5. A memory card connector as claimed in claim 1, wherein said  
5 shielding shell is provided with a recess for pressing the upper end of the connecting rod in such a manner that the connecting rod is not able to loosen easily and is able to move only in a finite space.

6. A memory card connector as claimed in claim 1, wherein said  
detecting means comprises a detecting press plate on the shielding shell  
10 and a detecting plate affixed to one side of the insulation base seat; and said writing-protection detecting means is assembled by a detecting elastic plate on one side of the shielding shell and a detecting terminal affixed to one side of the insulation base seat.

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